

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>RE-ENTER</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>FEE</b>	
1b. TYPE OF WELL		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>	
OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. UNIT AGREEMENT NAME <b>N/A</b>	
2. NAME OF OPERATOR <b>Newfield Production Company</b>		8. FARM OR LEASE NAME <b>N/A</b>	
3. ADDRESS AND TELEPHONE NUMBER: <b>Route #3 Box 3630, Myton, UT 84052</b> Phone: <b>(435) 646-3721</b>		9. WELL NO. <b>Osmond-Meyer 10-28-4-1E</b>	
4. LOCATION OF WELL (FOOTAGE) At Surface <b>NW/SE 5950' 75X 1835' FSL 1902' FEL</b> At proposed Producing Zone <b>4439653 y 40.103701 -109.884542</b>		10. FIELD AND POOL OR WILDCAT <del>Monument Butte</del> <b>Winds Ridge</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Approximately 26.7 miles southeast of Myton, UT</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NW/SE Sec. 28, T4S, R1E</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>Approx. 515' f/lse line and NA' f/unit line</b>	16. NO. OF ACRES IN LEASE <b>NA</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approx. 1137'</b>	19. PROPOSED DEPTH <b>6560'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4879' GL</b>		22. APPROX. DATE WORK WILL START* <b>4th Quarter 2008</b>	

### 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>12 1/4</b>	<b>8 5/8</b>	<b>24#</b>	<b>290'</b>	<b>155 sx +/- 10%</b>
<b>7 7/8</b>	<b>5 1/2</b>	<b>15.5#</b>	<b>TD</b>	<b>275 sx lead followed by 450 sx tail</b>
				<b>See Detail Below</b>

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

**\*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:**

**SURFACE PIPE** - 155 sx Class G Cement +/- 10%, w/ 2% CaCl<sub>2</sub> & 1/4#/sk Cello-flake  
Weight: 15.8 PPG    YIELD: 1.17 Cu Ft/sk    H<sub>2</sub>O Req: 5 gal/sk

**LONG STRING** - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate  
Weight: 11.0 PPG    YIELD: 3.43 Cu Ft/sk    H<sub>2</sub>O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate  
Weight: 14.2 PPG    YIELD: 1.59 Cu Ft/sk    H<sub>2</sub>O Req: 7.88 gal/sk

24. Name & Signature: *Mandie Crozier* Title: Regulatory Specialist Date: 7/25/2008  
**Mandie Crozier**

(This space for State use only)

API Number Assigned: 43-04740260 APPROVAL: \_\_\_\_\_

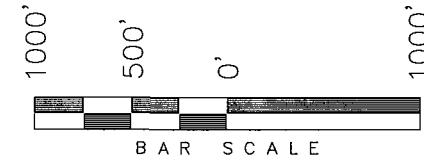
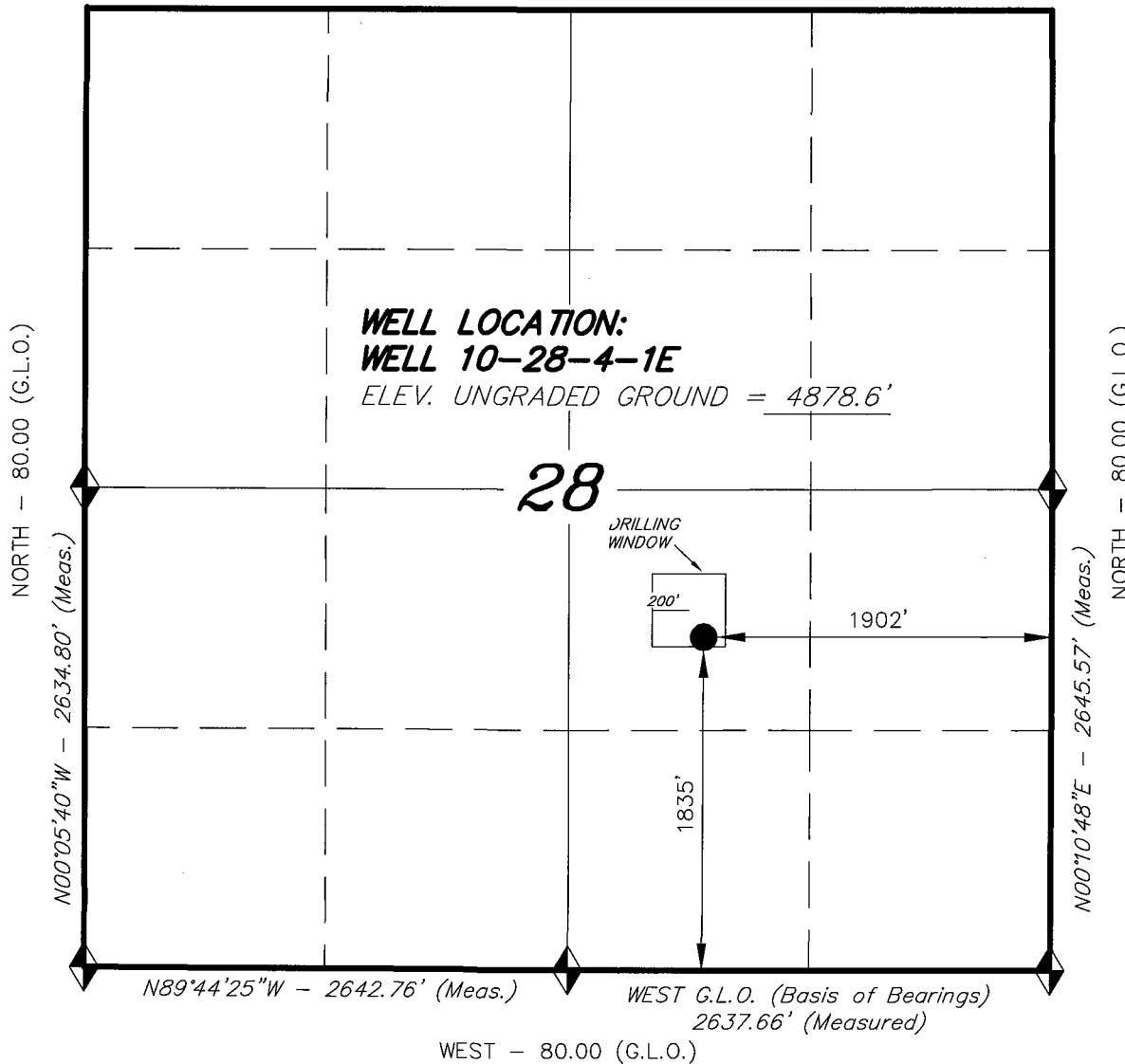
**RECEIVED**  
**JUL 28 2008**  
DIV. OF OIL, GAS & MINING

**T4S, R1E, U.S.B.&M.**

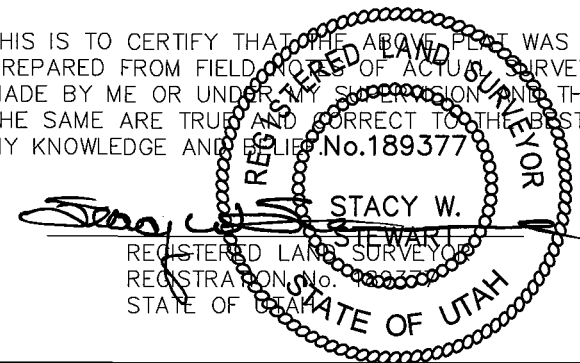
**NEWFIELD PRODUCTION COMPANY**

WEST - 80.00 (G.L.O.)

WELL LOCATION, WELL 10-28-4-1E,  
LOCATED AS SHOWN IN THE NW 1/4 SE  
1/4 OF SECTION 28, T4S, R1E, S.L.B.&M.  
UINTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW)

**WELL 10-28-4-1E**  
(Surface Location) NAD 83  
LATITUDE = 40° 06' 13.67"  
LONGITUDE = 109° 53' 06.51"

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 5-20-08	SURVEYED BY: T.H.
DATE DRAWN: 6-3-08	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY  
OSMOND-MEYER 10-28-4-1E  
NW/SE SECTION 28, T4S, R1E  
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1,860'
Green River	1,860'
Wasatch	6,560'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1,860' – 6,560'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 290' (New)

Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to  $\pm 350$  feet will be drilled with an air/mist system. From about 350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the fourth quarter of 2008, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY  
OSMOND-MEYER 10-28-4-1E  
NW/SE SECTION 28, T4S, R1E  
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map “A”**

To reach Newfield Production Company well location site Osmond-Meyer 10-28-4-1E located in the NW¼ SE¼ Section 28, T4S, R1E, S.L.B. & M., Uintah County, Utah:

Proceed in a southeasterly direction out of Myton, approximately 16.9 miles to it's junction with an existing road to the northeast; proceed northeasterly approximately 6.2 miles to it's junction with an existing road to the northwest; proceed in a northwesterly direction approximately 2.2 miles to it's junction with an existing road to the northwest; proceed northwesterly approximately 1.0 miles to it's junction with the beginning of the proposed access road to the northwest; proceed along the proposed access road approximately 2,140' to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 2,140' of access road is proposed. See attached **Topographic Map “B”**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous

will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** Kendall Investments LLC.

See attached Easement ROW and Surface Use Agreement.

12. **OTHER ADDITIONAL INFORMATION:**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological and Paleontological Report Waiver is attached. See Exhibit "D".

**Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

**Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the Osmond-Meyer 10-28-4-1E, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Osmond-Meyer 10-28-4-1E Newfield will use, produce, store, transport or dispose less than the



threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

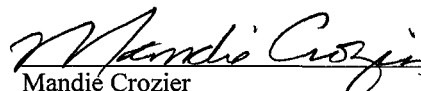
Name: Dave Allred  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #10-28-4-1E, NW/SE Section 28, T4S, R1E, Uintah County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

7/25/08  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

MEMORANDUM  
of  
EASEMENT, RIGHT-OF-WAY  
and  
SURFACE USE AGREEMENT

This Easement, Right-of-Way and Surface Use Agreement ("Agreement") is entered into this 18<sup>th</sup> day of January 2008 by and between **Kendall Investments LLC, Mike Kendall, 1638 East Gorden Ave, Layton, Utah 84040** ("Surface Owner," whether one or more), and NEWFIELD PRODUCTION COMPANY, a Texas corporation ("NEWFIELD"), with offices at 1401 Seventeenth Street, Suite 1000, Denver, Colorado 80202, covering certain lands, (the "Lands") situated in Uintah County, Utah described as follows:

Township 4 South, Range 1 East  
Section 28: S/2  
Section 33: Lots 1,2,3,4  
Uintah County, Utah

being, 449 acres more or less,

and associated roads and pipeline routes beginning at each wellsite and traversing the lands as shall be agreed upon prior to the construction of same.

For and in consideration of the sum of ten dollars (\$10.00), and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby agree to the terms and provisions set forth as follows:

1. Compensation for Well; Release of All Claims

NEWFIELD shall pay to Surface Owner the sum as set forth in and according to the terms of that certain Letter Agreement for Easement, Right-of Way and Surface Use by and between Surface Owner and NEWFIELD, dated January 18, 2008, as full payment and satisfaction for any and all detriment, depreciation, injury or damage of any nature to the Lands or growing crops thereon that may occur as a result of NEWFIELD's drilling or completion operations or its continuing activities for the production or transportation of oil, gas, or other hydrocarbons or products associated with the foregoing including, but not limited to, surface use, access, pipelines, gathering lines, pipeline interconnections, and any and all other reasonable or customary uses of land related to said operations or activities.

2. Grant of Right of Way and Easement

Surface Owner hereby grants, bargains, leases, assigns, and conveys to NEWFIELD an easement and right-of-way for the purpose of construction, using and maintaining access roads, locations for surface equipment and subsurface gathering lines for each well drilled upon the Lands, pipelines, and pipeline interconnections for two years from date of this agreement and so long thereafter as NEWFIELD's oil and gas leases remain in effect.

This Agreement shall be binding upon the respective heirs, executors, administrators, successors, and assigns of the undersigned.

These Parties hereto have executed this document effective as of the day first above written.

KENDALL INVESTMENTS LLC

By: \_\_\_\_\_

Mike Kendall, President

NEWFIELD PRODUCTION COMPANY

By: \_\_\_\_\_

Gary D. Packer, President

MEMORANDUM  
of  
EASEMENT and RIGHT-OF-WAY

This Easement and Right-of-Way Agreement ("Agreement") is entered into this 6th day of December 2007 by and between, **Rex and LaRue Lamb Trust, Karl Lamb, trustee whose address is PO Box 374, Myton Utah 84052**, ("Surface Owner," whether one or more), and NEWFIELD PRODUCTION COMPANY, a Texas corporation ("NEWFIELD"), with offices at 1401 Seventeenth Street, Suite 1000, Denver, Colorado 80202, covering certain lands, (the "Lands") situated in Uintah County, Utah described as follows:

Township 4 South, Range 1 East

NWSE, NESE, Lot 1, Lot 2, Lot 3, Lot 4 Sec 29

NWNE, NENW, NWNW, SENW, SWNE, SENE, Lot 1, Lot 2, Lot 3, Lot 4 Sec 34

being, 569 acres more or less,

For and in consideration of the sum of ten dollars (\$10.00), and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby agree to the terms and provisions set forth as follows:

1. Compensation for Well; Release of All Claims

NEWFIELD shall pay to Surface Owner the sum as set forth in and according to the terms of that certain Letter Agreement for Easement and Right-of Way by and between Surface Owner and NEWFIELD, dated December 6, 2007 as full payment and satisfaction for any and all detriment, depreciation, injury or damage of any nature to the Lands or growing crops thereon that may occur as a result of NEWFIELD's continuing activities associated with drilling, producing, and transporting of oil and gas, including, but not limited to, surface use, access, pipelines, gathering lines, pipeline interconnections, and any and all other reasonable or customary uses of land related to said operations or activities.

2. Grant of Right of Way and Easement

Surface Owner hereby grants, bargains, leases, assigns, and conveys to NEWFIELD an easement and right-of-way for the purpose of construction, using and maintaining access roads, locations for surface equipment and subsurface gathering lines for each well drilled upon the Lands, pipelines, and pipeline interconnections for two years from date of this agreement and so long thereafter as NEWFIELD requires for the use of the subject lands to service its oil and gas operations on and in the vicinity of said lands.

This Agreement shall be binding upon the respective heirs, executors, administrators, successors, and assigns of the undersigned.

These Parties hereto have executed this document effective as of the day first above written.

**NEWFIELD PRODUCTION COMPANY**

By: \_\_\_\_\_  
Gary D. Packer, President

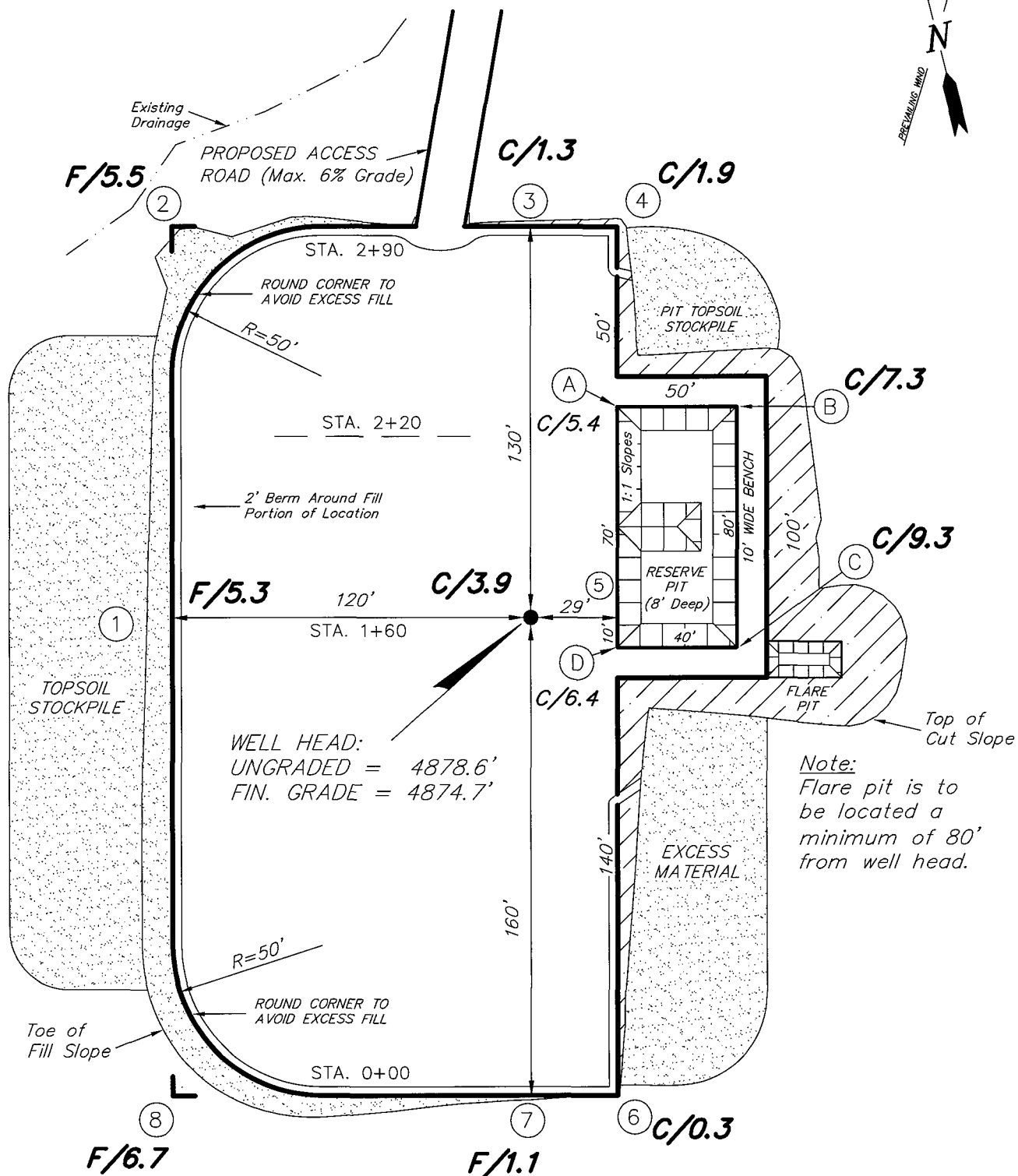
**SURFACE OWNER**

By: Karl Lamb  
Karl Lamb, Rex and LaRue Lamb Trustee

# NEWFIELD PRODUCTION COMPANY

WELL 10-28-4-1E

Section 28, T4S, R1E, U.S.B.&M.



## REFERENCE POINTS

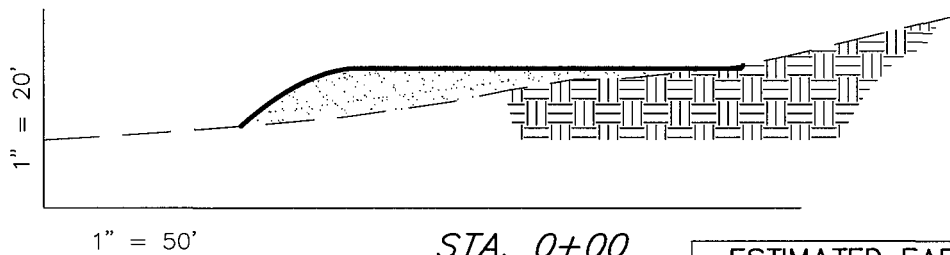
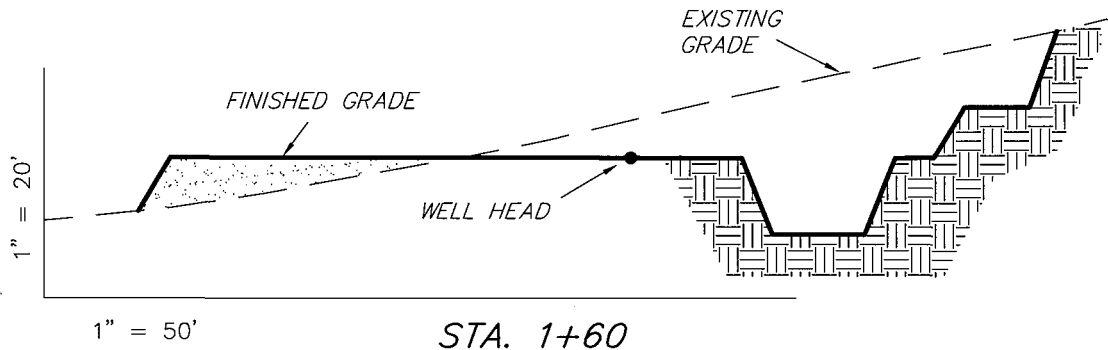
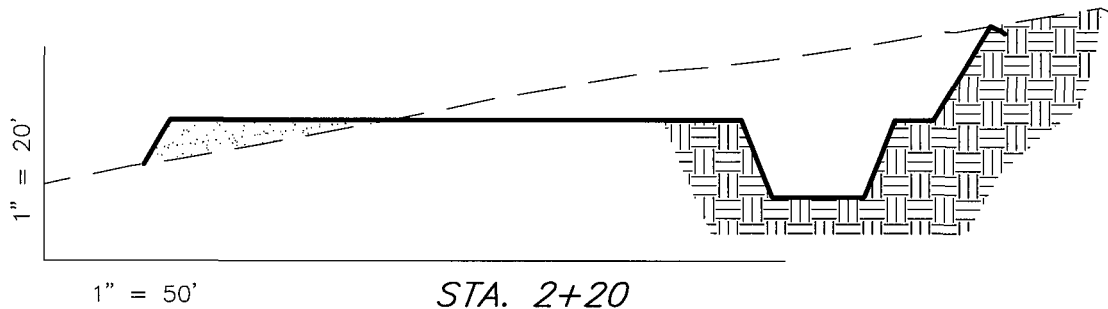
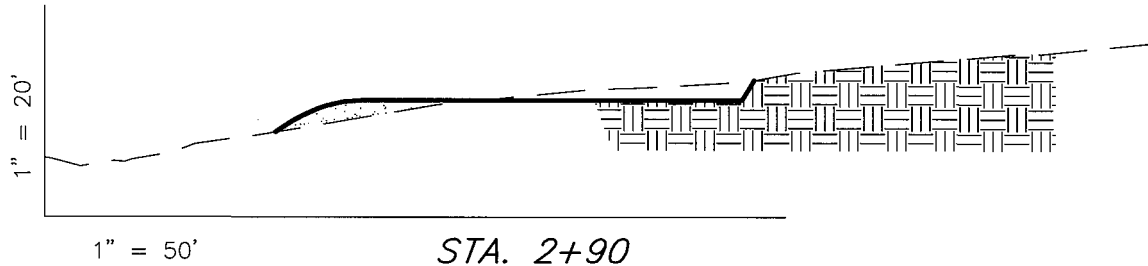
170' NORTHWEST	4867.4'
220' NORTHWEST	4866.5'
210' SOUTHWEST	4873.5'
260' SOUTHWEST	4872.0'

SURVEYED BY: T.H.	DATE SURVEYED: 5-20-08
DRAWN BY: M.W.	DATE DRAWN: 6-3-08
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS WELL 10-28-4-1E



NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,500	3,500	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,140	3,500	1,100	640

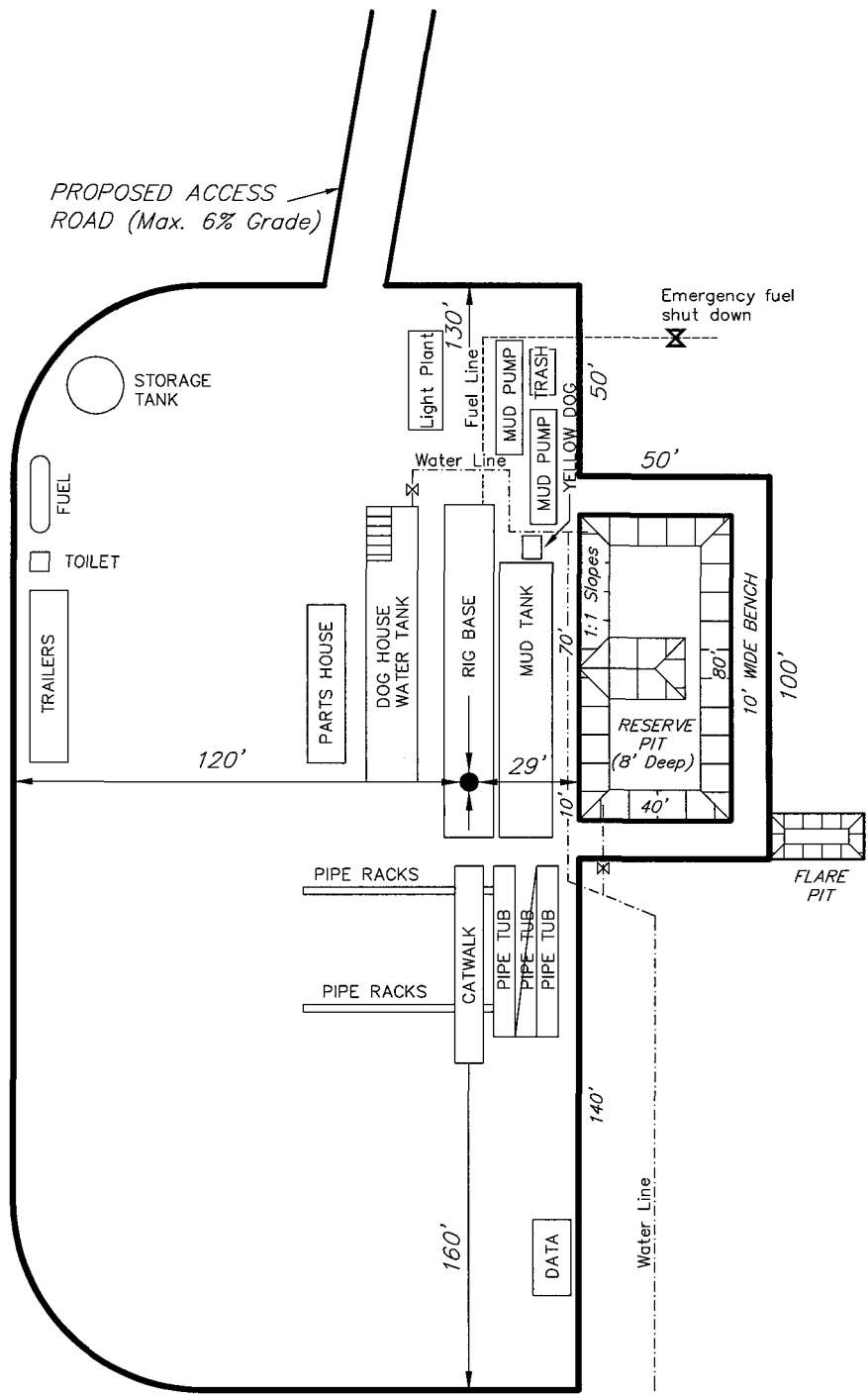
SURVEYED BY: T,H,  
DRAWN BY: M.W.  
SCALE: 1" = 50'

DATE SURVEYED: 5-20-08  
DATE DRAWN: 6-3-08  
REVISED:

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

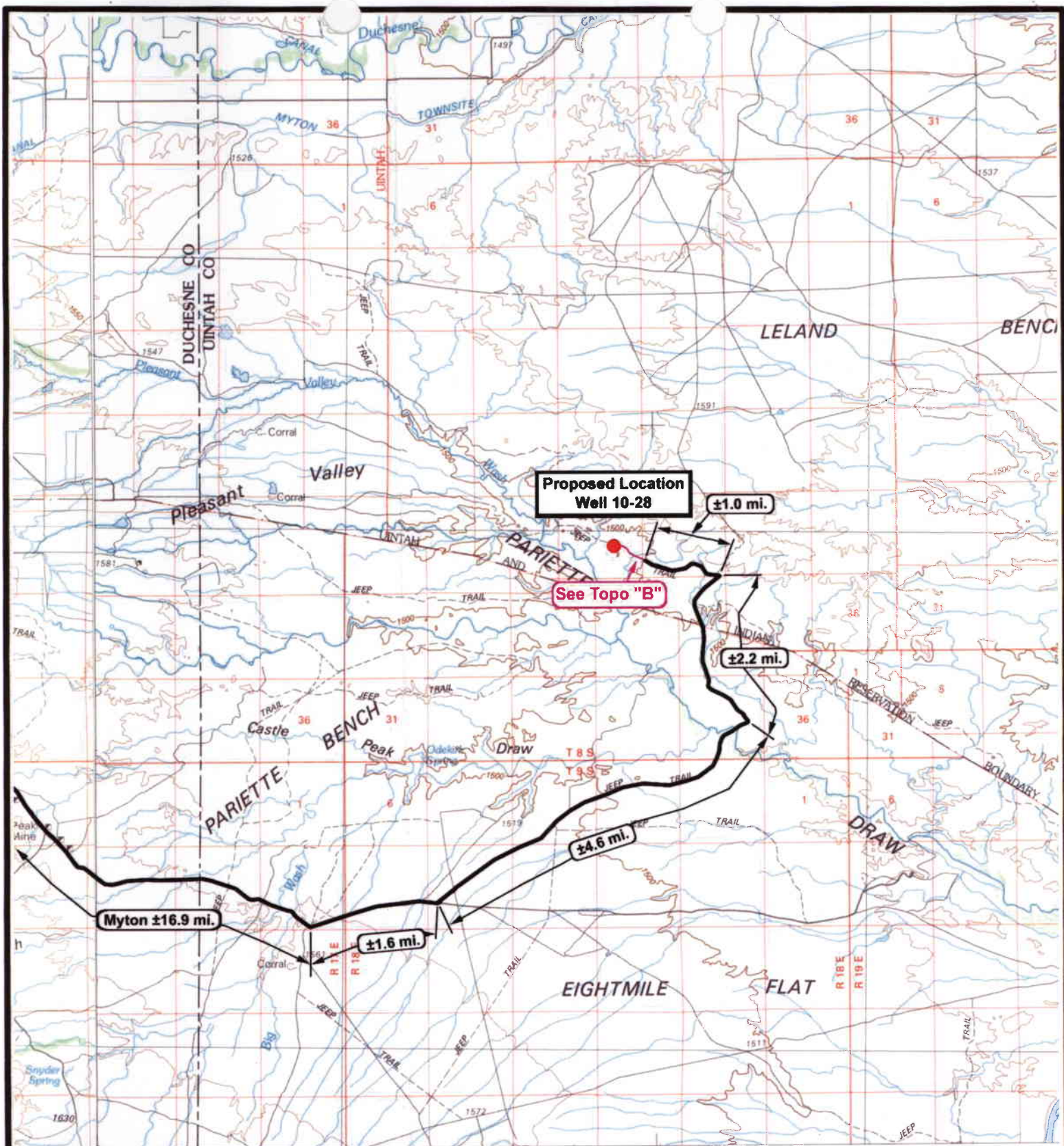
## TYPICAL RIG LAYOUT WELL 10-28-4-1E




SURVEYED BY: T.H.	DATE SURVEYED: 5-20-08
DRAWN BY: M.W.	DATE DRAWN: 6-3-08
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078







**NEWFIELD**  
Exploration Company

**Well 10-28-4-1E**  
**SEC. 28, T4S, R1E, U.S.B.&M.**





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: JAS  
DATE: 06-17-2008

**Legend**

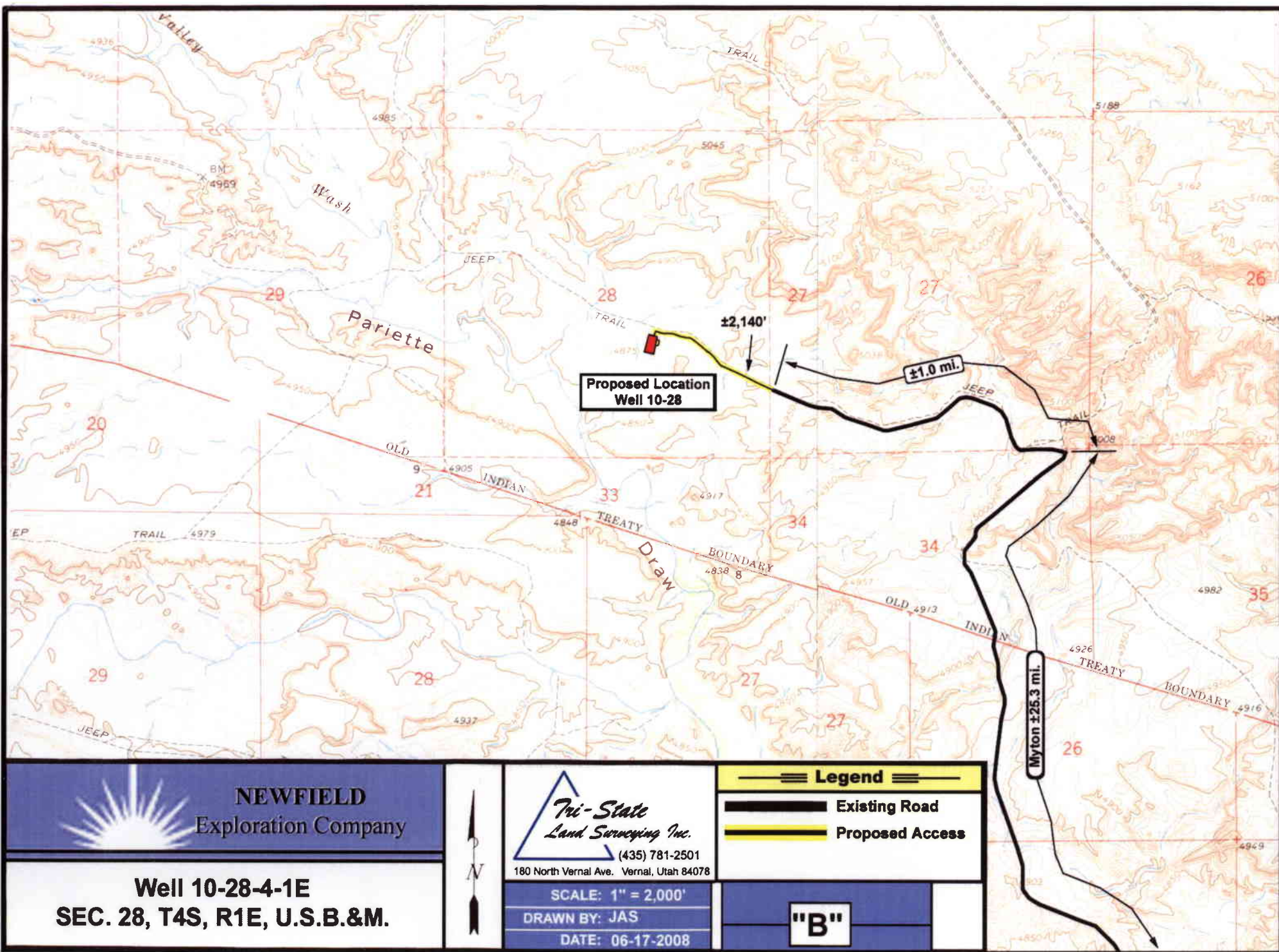
Existing Road

Proposed Access

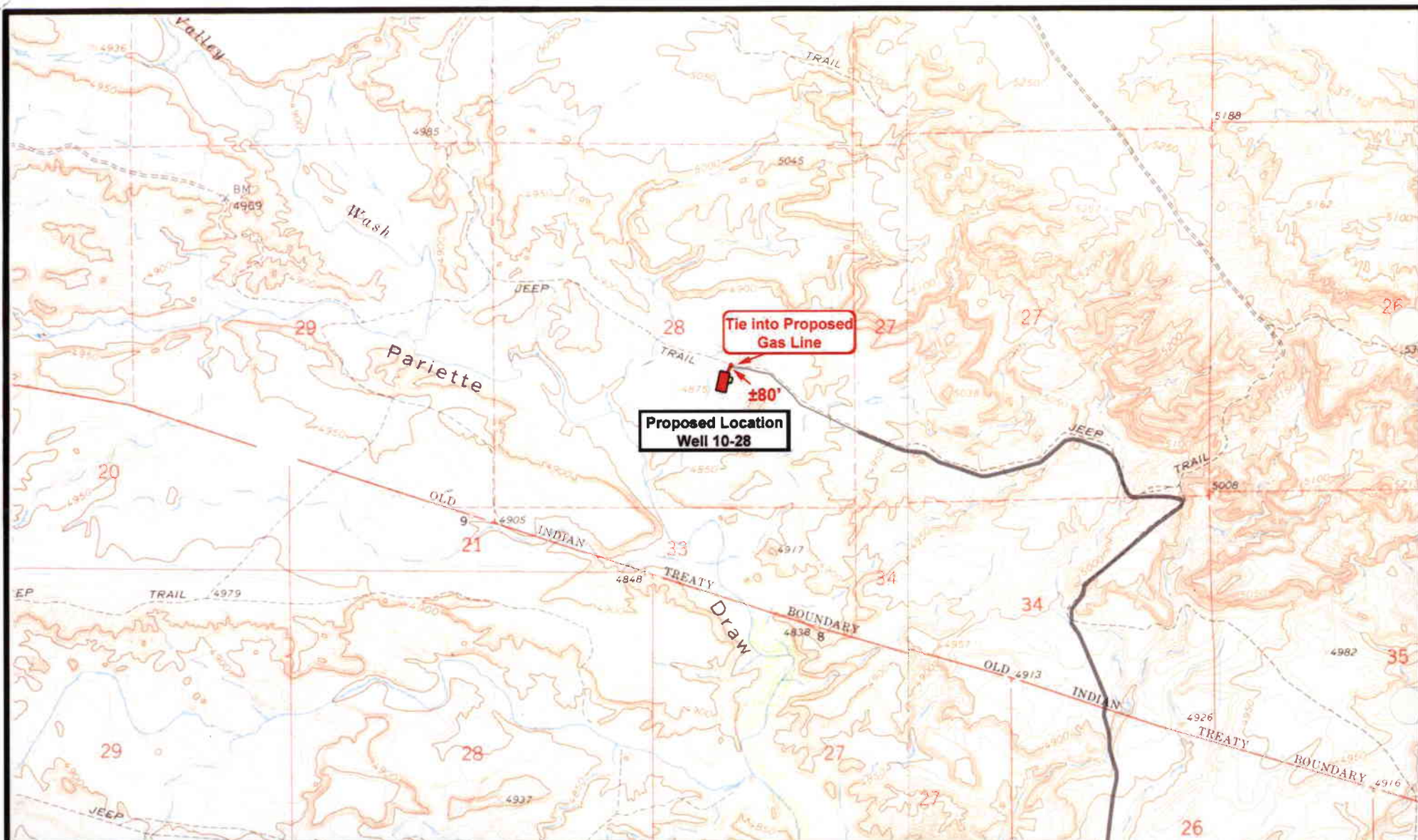
**TOPOGRAPHIC MAP**

**"A"**









**NEWFIELD**  
Exploration Company

**Well 10-28-4-1E**  
**SEC. 28, T4S, R1E, U.S.B.&M.**



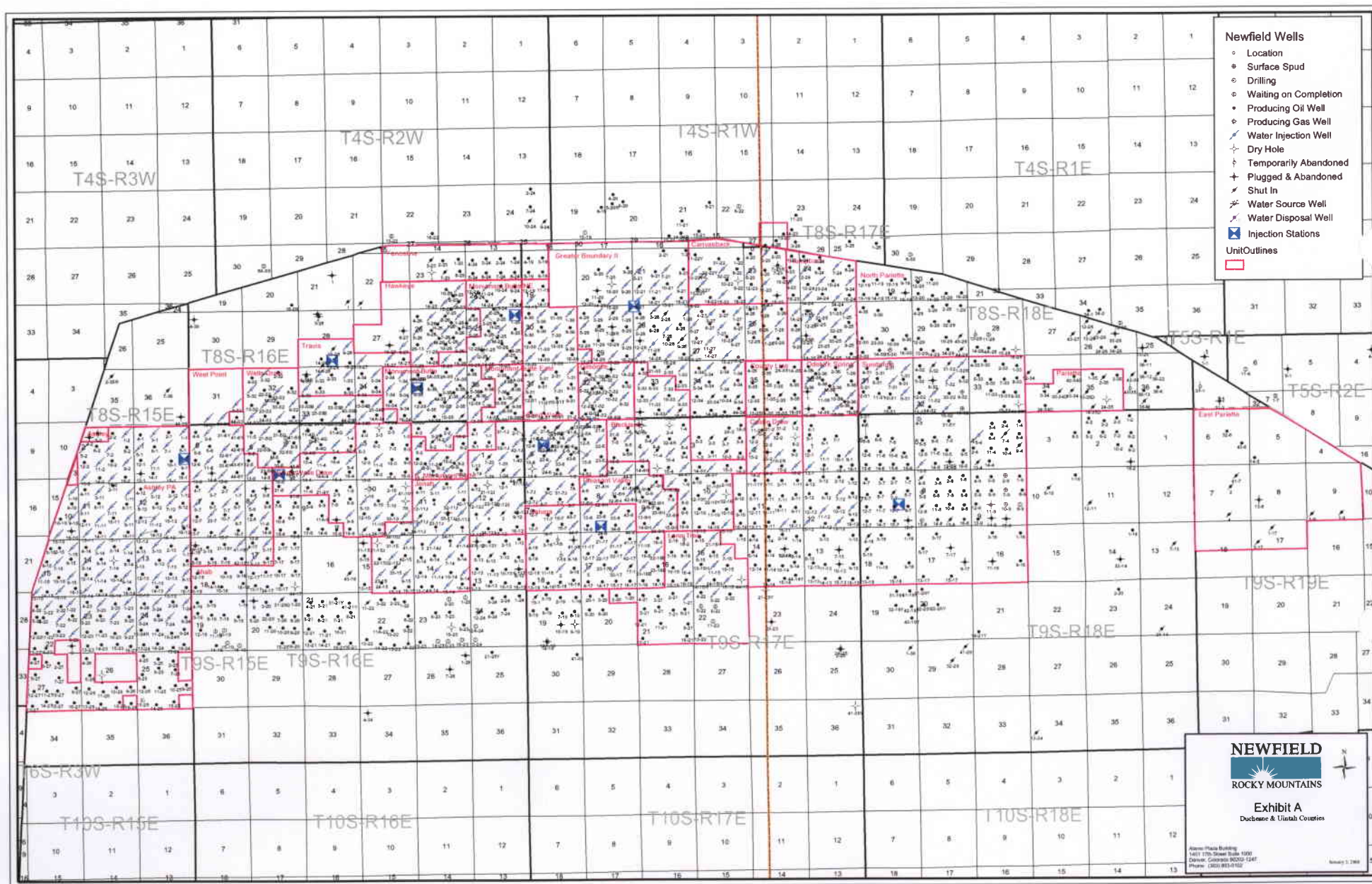
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 06-17-2008

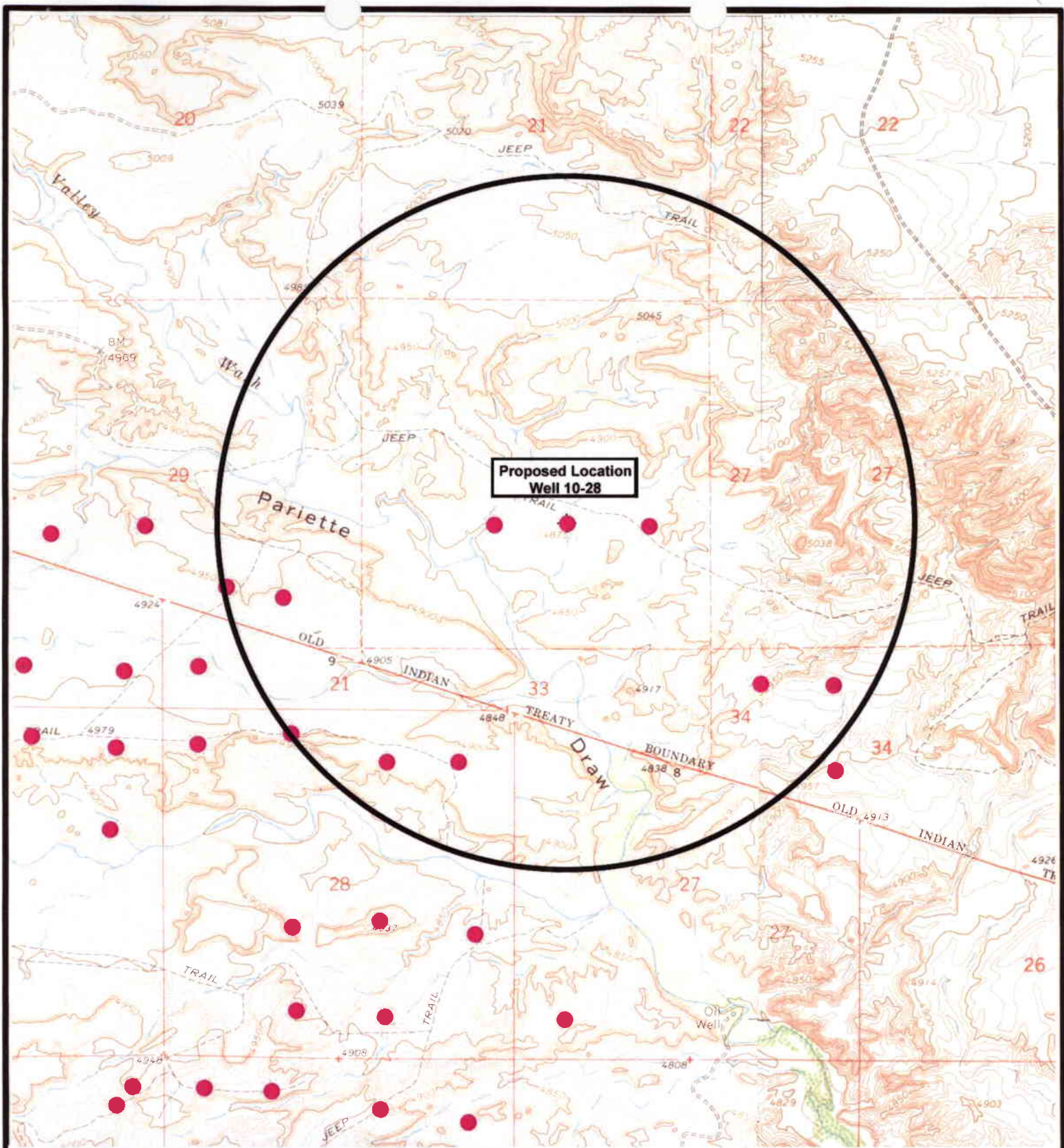
**Legend**  
— Roads  
- - - Proposed Gas Line

**"C"**



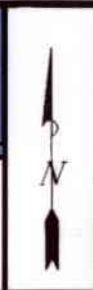






 **NEWFIELD**  
Exploration Company

**Well 10-28-4-1E**  
**SEC. 28, T4S, R1E, U.S.B.&M.**



 **Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

**SCALE: 1" = 2,000'**  
**DRAWN BY: JAS**  
**DATE: 06-11-2008**

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

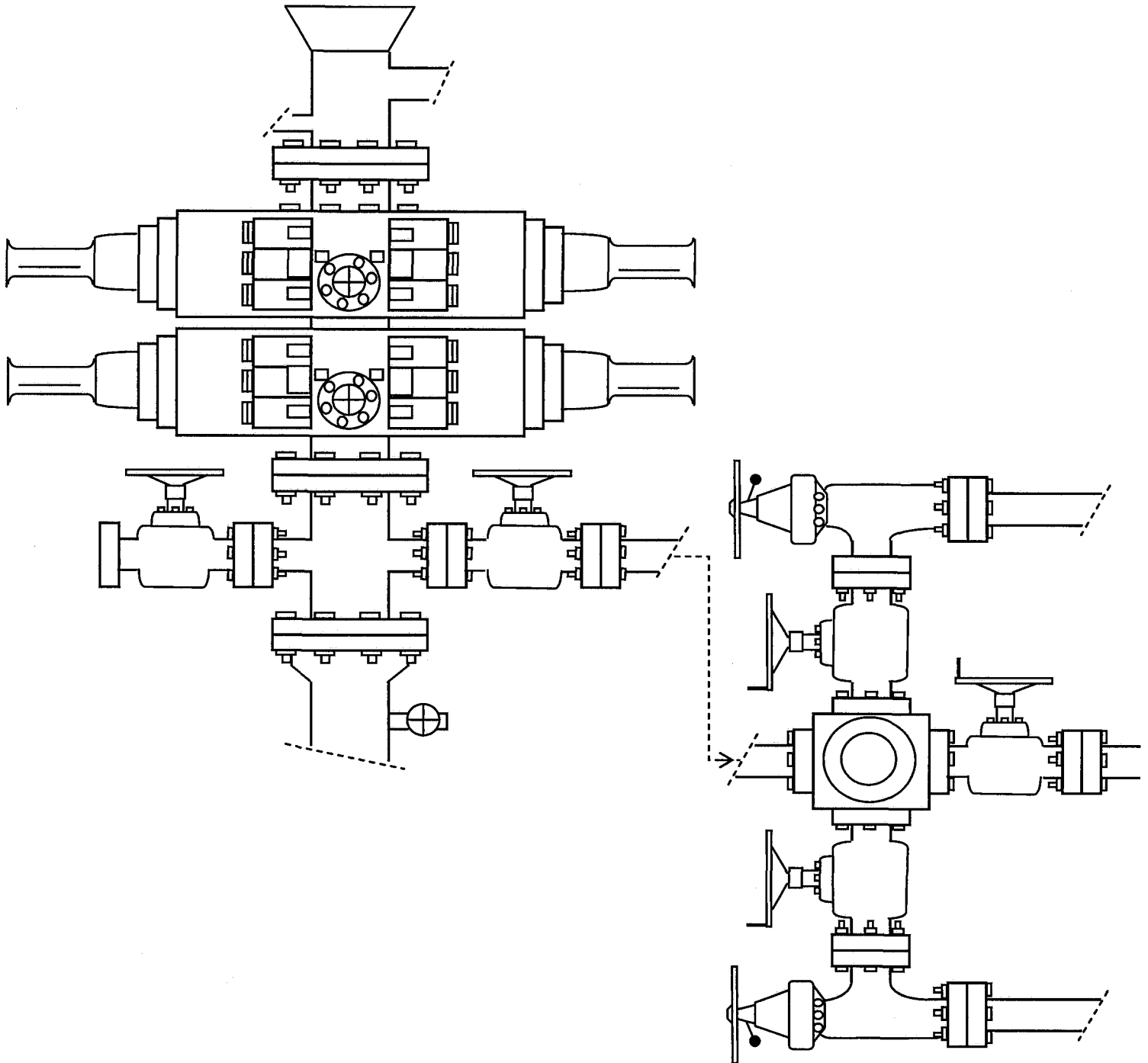


EXHIBIT C


## EXHIBIT D

Wells located on Kendall Investments LLC, Mike Kendall  
(Private Land Owner)

### ARCHAEOLOGICAL & PALEOTOLOGICAL REPORT WAIVER

For the above referenced location; Kendall Investments LLC, Mike Kendall, the Private Surface Owner. (Having a Surface Owner Agreement with Newfield Production Company)

Mike Kendal, representing this entity does agree to waive the request from the State of Utah and Bureau of Land Management for an Archaeological/Cultural and Paleotological Resource Survey for any wells covered by the Surface Use Agreement dated 01/18/08 between the above said private land owner and Newfield Production. This waiver hereby releases Newfield Production Company from this request.

  
Mike Kendall      Date  
Private Surface Owner      1-18-08

  
Brad Mecham      Date  
Newfield Production Company

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/28/2008

API NO. ASSIGNED: 43-047-40260

WELL NAME: OSMOND-MEYER 10-28-4-1E  
OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSE 28 040S 010E  
SURFACE: 1835 FSL 1902 FEL  
BOTTOM: 1835 FSL 1902 FEL  
COUNTY: UINTAH  
LATITUDE: 40.10370 LONGITUDE: -109.8845  
UTM SURF EASTINGS: 595075 NORTHINGS: 4439653  
FIELD NAME: WINDY RIDGE ( 718 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	10/5/08
Geology		
Surface		

LEASE TYPE: 4 - Fee  
LEASE NUMBER: FEE  
SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: GRRV  
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[] Ind[] Sta[] Fee[]  
(No. B001834 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-10136 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

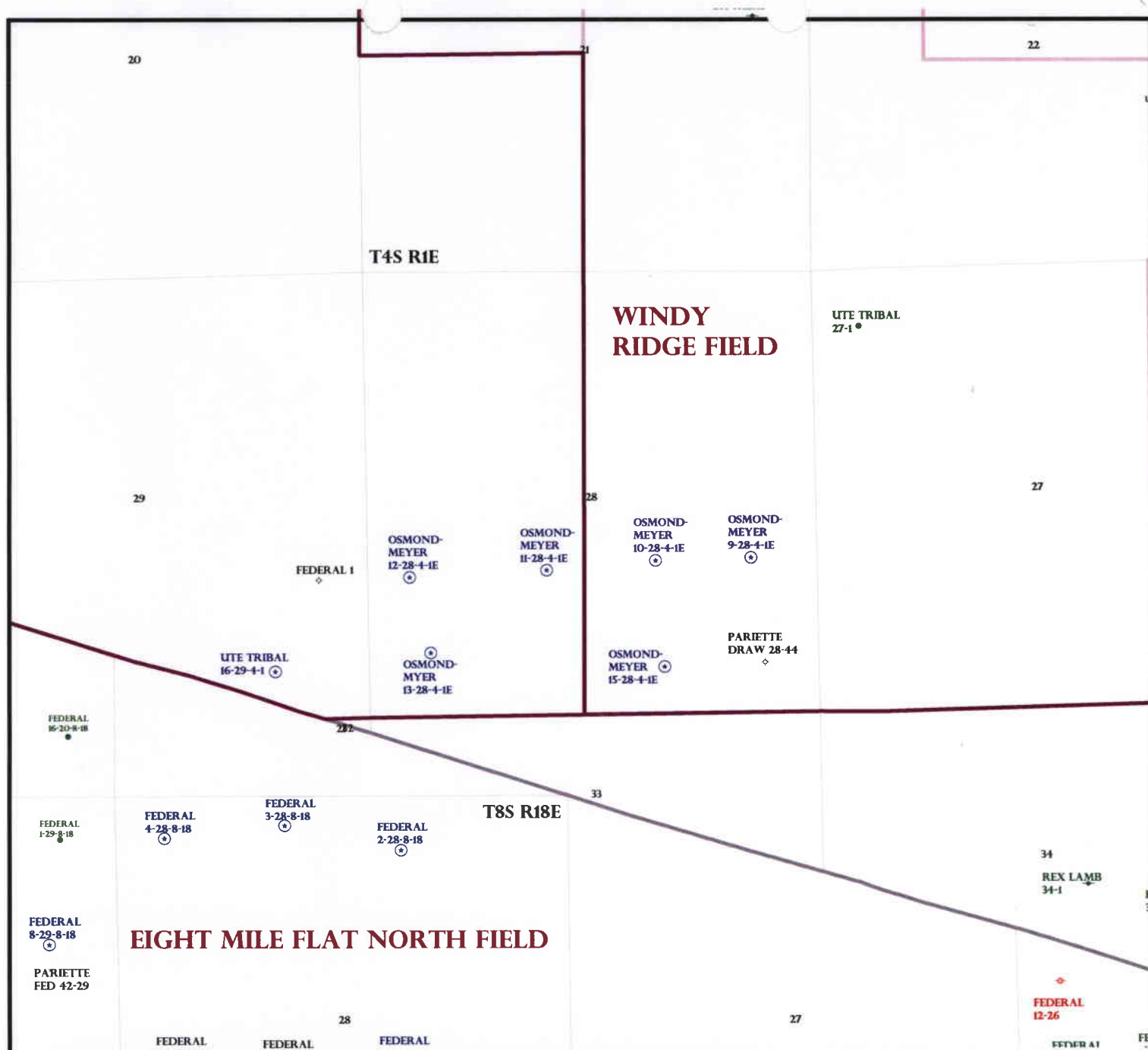
☐ R649-2-3.  
Unit: \_\_\_\_\_  
☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
☐ R649-3-3. Exception  
☐ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
☐ R649-3-11. Directional Drill

COMMENTS:

*Needs Permit (09-23-08)*

STIPULATIONS:

*1- Spacing Strip  
2- STATEMENT OF BASIS  
3- Surface Casing Cont Strip*



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 28 T.4S R. 1E

FIELD: WINDY RIDGE (718)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

**Field Status**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 29-JULY-2008



# Application for Permit to Drill

## Statement of Basis

10/1/2008

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Ownr</b>	<b>CBM</b>
900	43-047-40260-00-00		OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>		
<b>Well Name</b>	OSMOND-MEYER 10-28-4-1E		<b>Unit</b>		
<b>Field</b>	WINDY RIDGE		<b>Type of Work</b>		
<b>Location</b>	NWSE 28 4S 1E S 1835 FSL 1902 FEL GPS Coord (UTM) 595075E 4439653N				

### Geologic Statement of Basis

Newfield proposes to set 290' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 400'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 28. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. It is recommended that surface casing be extended to cover the base of the moderately saline ground water.

Brad Hill  
APD Evaluator

10/1/2008  
Date / Time

### Surface Statement of Basis

The proposed Osmond-Meyer 10-28-4-1E oil well location is approximately 26.7 road miles southeast of Myton, UT in the lower Pleasant Valley area of the Monument Butte Field. It is also about 14 air miles southeast of Roosevelt, Utah. Pariette Draw and Pleasant Valley Wash are the major drainages in the area. Both of these drainages contain perennial streams somewhat consisting of irrigation runoff and seepage occurring above the area. Pleasant Valley Wash joins Pariette Draw in the general area. Pariette Draw runs into the Green River approximately 9 miles downstream above Ouray, Utah. Poorly vegetated or barren flats surrounded by low hills and intersected with deep draws characterize the general area. Access is by State and County and planned or existing oil field development roads. Approximately 2140 feet of new construction will be required to access this well.

This location is on the west slope of a sandy hill. Slopes are light to moderate. Excavation from the east will be moved to the west to form the pad. No drainages intersect the pad and a drainage to the north will be avoided. No springs, streams or seeps occur in the immediate area. Pariette Draw, which contains a perennial stream, is approximately 3/8 mile to the southwest.

The location appears to be a suitable site for drilling and operating a well and is the best site in the immediate area.

The Kendell Investments LLC owns the surface and minerals are also FEE owned by another entity. Mike Kendell, representing Kendell Investment LLC, attended the pre-site visit. He had no concerns regarding the plan as proposed. A signed surface use agreement exists.

Floyd Bartlett  
Onsite Evaluator

9/23/2008  
Date / Time

### Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.



# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** OSMOND-MEYER 10-28-4-1E  
**API Number** 43-047-40260-0 **APD No** 900 **Field/Unit** WINDY RIDGE  
**Location:** 1/4,1/4 NWSE **Sec** 28 **Tw** 4S **Rng** 1E 1835 FSL 1902 FEL  
**GPS Coord (UTM)** 595085 4439670 **Surface Owner**

### **Participants**

Floyd Bartlett (DOGM), Kevan Stevens (Newfield), Mike Kendell (Kendell Investments, LLC) and Cory Miller (Tri-State Land Surveying, LLC).

### **Regional/Local Setting & Topography**

The proposed Osmond-Meyer 10-28-4-1E oil well location is approximately 26.7 road miles southeast of Myton, UT in the lower Pleasant Valley area of the Monument Butte Field. It is also about 14 air miles southeast of Roosevelt, Utah. Pariette Draw and Pleasant Valley Wash are the major drainages in the area. Both of these drainages contain perennial streams somewhat consisting of irrigation runoff and seepage occurring above the area. Pleasant Valley Wash joins Pariette Draw in the general area. Pariette Draw runs into the Green River approximately 9 miles downstream above Ouray, Utah. Poorly vegetated or barren flats surrounded by low hills and intersected with deep draws characterize the general area. Access is by State and County and planned or existing oil field development roads. Approximately 2140 feet of new construction will be required to access this well.

This location is on the west slope of a sandy hill. Slopes are light to moderate. Excavation from the east will be moved to the west to form the pad. No drainages intersect the pad and a drainage to the north will be avoided. No springs, streams or seeps occur in the immediate area. Pariette Draw, which contains a perennial stream, is approximately 3/8 mile to the southwest.

The location appears to be a suitable site for drilling and operating a well and is the best site in the immediate area.

The Kendell Investments LLC owns the surface and minerals are also FEE owned by another entity. Mike Kendell, representing Kendell Investment LLC, attended the pre-site visit. He had no concerns regarding the plan as proposed. A signed surface use agreement exists.

### **Surface Use Plan**

#### **Current Surface Use**

Grazing  
Recreational  
Wildlife Habitat

#### **New Road**

Miles	Well Pad	Src Const Material	Surface Formation
0.5	Width 199 Length 290	Onsite	UNTA

**Ancillary Facilities** N

### **Waste Management Plan Adequate?**

### **Environmental Parameters**

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

Moderately vegetated with rabbit brush, agoseris spp., sand dropseed, curly mesquite, globemallow, Indian ricegrass,

cheat grass, 4-winged saltbrush and spring annuals..

Cattle, prairie dogs, antelope, small mammals and birds.

**Soil Type and Characteristics**

Soils are a deep sandy loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?**

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	300 to 1320	10
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	<10	0
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0

**Final Score** 30 1 **Sensitivity Level**

**Characteristics / Requirements**

A reserve pit 40' x 70' x 8' deep will be located in an area of cut on the northeast side of the location. A pit liner is required. Newfield commonly uses a 16-mil liner.

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

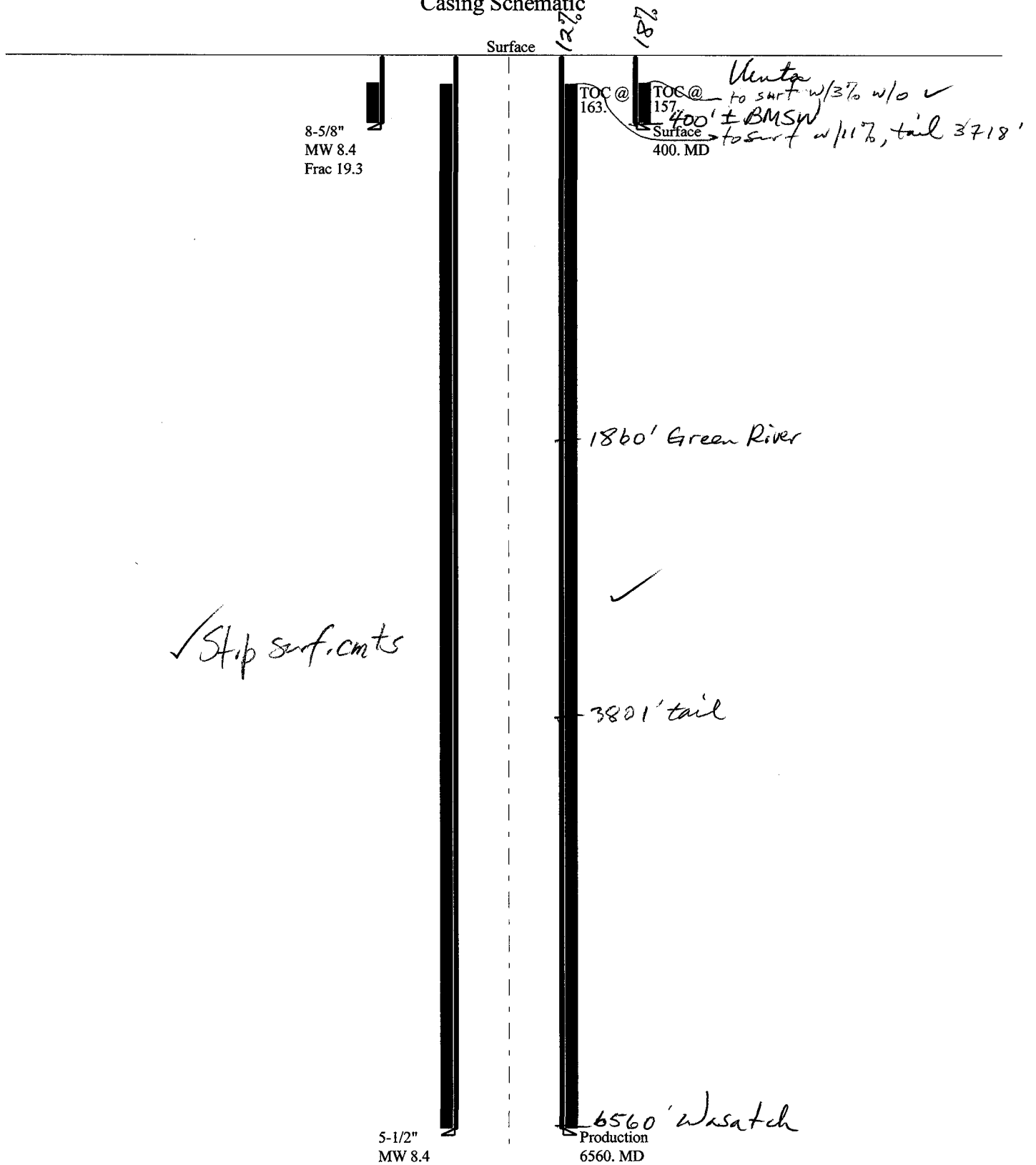
**Other Observations / Comments**

Floyd Bartlett  
**Evaluator**

9/23/2008  
**Date / Time**

43047402600000 Osmund-Meyer 10-28-4-1E

Casing Schematic



Well name:	<b>43047402600000 Osmund-Meyer 10-28-4-1E</b>	
Operator:	<b>Newfield Production Company</b>	Project ID:
String type:	Surface	43-047-40260-0000
Location:	Uintah County	

**Design parameters:**
**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**
**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 71 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 185 ft

Cement top: 157 ft

**Burst**

Max anticipated surface pressure: 352 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 400 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 349 ft

**Non-directional string.**
**Re subsequent strings:**

Next setting depth: 6,560 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,863 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 400 ft  
Injection pressure: 400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	400	8.625	24.00	J-55	ST&C	400	400	7.972	143

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	175	1370	7.851	400	2950	7.38	10	244	25.42 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Minerals

Phone: 810-538-5357

Date: October 14, 2008  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 400 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>43047402600000 Osmund-Meyer 10-28-4-1E</b>	
Operator:	<b>Newfield Production Company</b>	Project ID:
String type:	Production	43-047-40260-0000
Location:	Uintah County	

**Design parameters:**
**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**
**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 157 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 368 ft

Cement top: 163 ft

**Burst**

Max anticipated surface pressure: 1,419 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 2,863 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

**Non-directional string.**

Tension is based on air weight.  
Neutral point: 5,726 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6560	5.5	15.50	J-55	LT&C	6560	6560	4.825	876.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2863	4040	1.411	2863	4810	1.68	102	217	2.13 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Minerals

Phone: 810-538-5357

Date: October 14, 2008  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 6560 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

**BOPE REVIEW**
**Newfield Osmond-Meyer 10-28-4-1E**
**API 43-047-40260-0000**
**INPUT**

Well Name

Newfield Osmond-Meyer 10-28-4-1E		API 43-047-40260-0000	
String 1	String 2		
8 5/8	5 1/2		
400	6560		
0	400		
8.4	8.4	✓	
0	2000		
2950	4810		
2840	8.3 ppg	✓	

Casing Size (")

Setting Depth (TVD)

Previous Shoe Setting Depth (TVD)

Max Mud Weight (ppg)

BOPE Proposed (psi)

Casing Internal Yield (psi)

Operators Max Anticipated Pressure (psi)

**Calculations**
**String 1 8 5/8 "**

Max BHP [psi]	.052*Setting Depth*MW =	175	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	127	NO Air drill
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	87	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	87	NO <i>reasonable depth</i>
Required Casing/BOPE Test Pressure		400 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		0 psi	*Assumes 1psi/ft frac gradient

**Calculations**
**String 2 5 1/2 "**

Max BHP [psi]	.052*Setting Depth*MW =	2865	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2078	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	1422	YES ✓
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	1510	NO <i>reasonable</i>
Required Casing/BOPE Test Pressure		2000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		400 psi	*Assumes 1psi/ft frac gradient

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>APPLICATION FOR PERMIT TO DRILL, DEEPEN</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>FEE</b>	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>	
1a. TYPE OF WORK <b>DRILL</b> <input type="checkbox"/> <b>DEEPEN</b> <input checked="" type="checkbox"/> <b>RE-ENTER</b> <input type="checkbox"/>		7. UNIT AGREEMENT NAME <b>N/A</b>	
1b. TYPE OF WELL  OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. FARM OR LEASE NAME <b>N/A</b>	
2. NAME OF OPERATOR <b>Newfield Production Company</b>		9. WELL NO. <b>Osmond-Meyer 10-28-4-1EW</b>	
3. ADDRESS AND TELEPHONE NUMBER: <b>Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721</b>		10. FIELD AND POOL OR WILDCAT <b>Monument Butte Windy Ridge</b>	
4. LOCATION OF WELL (FOOTAGE) At Surface <b>NW/SE 595075X 1835' FSL 1902' FEL 40.103701</b> At proposed Producing Zone <b>4439653Y -109.884542</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NW/SE Sec. 28, T4S, R1E</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Approximately 26.7 miles southeast of Myton, UT</b>		12. County <b>Uintah</b>	13. STATE <b>UT</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>Approx. 515' f/lse line and NA' f/unit line</b>	16. NO. OF ACRES IN LEASE <b>NA</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approx. 1137'</b>	19. PROPOSED DEPTH <b>6560'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4879' GL</b>		22. APPROX. DATE WORK WILL START* <b>4th Quarter 2008</b>	
23. <b>PROPOSED CASING AND CEMENTING PROGRAM</b>			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
<b>12 1/4</b>	<b>8 5/8</b>	<b>24#</b>	<b>400'</b>
<b>7 7/8</b>	<b>5 1/2</b>	<b>15.5#</b>	<b>TD</b>
			<b>QUANTITY OF CEMENT</b>
			<b>155 sx +/- 10%</b>
			<b>275 sx lead followed by 450 sx tail</b>
			<b>See Detail Below</b>

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

\*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:

**SURFACE PIPE** - 155 sx Class G Cement +/- 10%, w/ 2% CaCl<sub>2</sub> & 1/4#/sk Cello-flake  
Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H<sub>2</sub>O Req: 5 gal/sk

**LONG STRING** - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate  
Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H<sub>2</sub>O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate  
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H<sub>2</sub>O Req: 7.88 gal/sk

24. Name & Signature: Mandie Crozier Title: Regulatory Specialist Date: 10/14/2008

(This space for State use only)

API Number Assigned: Approved by the 40260 APPROVAL: \_\_\_\_\_

Utah Division of  
Oil, Gas and Mining

Date: 11-05-05

By: [Signature]

RECEIVED

OCT 14 2008

DIV. OF OIL, GAS & MINING

\*See Instructions On Reverse Side



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

November 5, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Osmond-Meyer 10-28-4-1E Well, 1835' FSL, 1902' FEL, NW SE, Sec. 28, T. 4 South,  
R. 1 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40260.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor





Operator: Newfield Production Company  
Well Name & Number Osmond-Meyer 10-28-4-1E  
API Number: 43-047-40260  
Lease: Fee

Location: NW SE Sec. 28 T. 4 South R. 1 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

#### 4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
6. Surface casing shall be cemented to the surface.

Spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig #  
21 Submitted By Don Bastian  
Phone Number 435-823-6012  
Well Name/Number Osmond-Meyer 10-28-4-1E  
Qtr/Qtr NW/SE Section 28 Township 4S Range  
1E  
Lease Serial Number \_\_\_\_\_  
Fee \_\_\_\_\_  
API Number 43-047-  
40260

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 1/22/09 3:00 AM ☐ PM ☒

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 1/23/09 10:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3430  
MYTOM, UT 84052

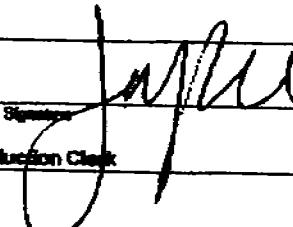
OPERATOR ACCT. NO. 00595

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					Q1	SC	TP	RS			
A	99999	17268	4304739198	OSMOND-MEYER 14-28-4-1E	SESW	28	4S	1E	UINTAH	1/28/2009	1/29/09
WELL 1 COMMENTS: GRRV											
B	99999	12391	4301333681	GREATER BOUNDARY II FEDERAL 3-21-8-17	NENW	21	8S	17E	DUCHESNE	1/16/2009	1/29/09
GRRV											
B	99999	12391	4301333816	GREATER BOUNDARY II FEDERAL G-29-8-17	NWNW	29	8S	17E	DUCHESNE	1/20/2009	1/29/09
GRRV BHL = NWNW											
A	99999	17269	4304740258	OSMOND-MEYER 12-28-4-1E	NWSW	28	4S	1E	UINTAH	1/15/2009	1/29/09
GRRV											
A	99999	17270	4304740260	OSMOND-MEYER 10-28-4-1E	NWSE	28	4S	1E	UINTAH	1/22/2009	1/29/09
WELL 5 COMMENTS: GRRV											
B	99999	12391	4301333815	GREATER BOUNDARY FEDERAL K-28-8-17	SENE	28	8S	17E	DUCHESNE	1/23/2009	1/29/09
WELL 6 COMMENTS: GRRV BHL = SENE											

ACTION CODES (See instructions on back of form)

- A - new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (Specify in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Signature:   
Production Clerk  
Jerald Park  
1/24/09  
004600  
Date

RECEIVED

JAN 26 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: OSMOND MEYER 10-28-4-1E
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4304740260
6. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
7. COUNTY: UINTAH		8. COUNTY: UINTAH
9. STATE: UT		9. STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
02/11/2009	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 1-22-09 NDSI #3. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 385'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6350'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 159 jt's of 5.5 J-55, 15.5# csgn. Set @ 6336' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 425 sks cement mixed @ 14.4 ppg & 1.24 yld. circ 10 bbl cmt to surface. Nipple down Bop's. Set slips @ 110,000 #'s tension. Release rig 3:30 AM on 2/4/09.

NAME (PLEASE PRINT) Johnny Davis TITLE Drilling Foreman  
SIGNATURE *Johnny Davis* DATE 02/10/2009  
(This space for State use only)

RECEIVED  
FEB 10 2009  
DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6336

LAST CASING 8 5/8" SET AT 415  
 DATUM 12  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 6350 LOGC 6100  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Exploration Company  
 WELL OSMOND MEYER 10-28-4-1E  
 FIELD/PROSPECT MB  
 CONTRACTOR & RIG # 3

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1	5 1/2"	Landing jt		15.5	J-55	LTC	A	14
158	5 1/2"	LT&C Csg.		15.5	J-55	LTC	A	6279.3
1	5 1/2"	Float collar					A	1.74
1	5 1/2"	Shoe jt		15.5	J-55	LTC	A	42.3
1	5 1/2"	Guide shoe					A	0.87
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				6338.21
TOTAL LENGTH OF STRING		6338.21		LESS CUT OFF PIECE				14
LESS NON CSG. ITEMS		16.61		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		36.51	1	CASING SET DEPTH				<b>6,336.21</b>
TOTAL		6358.11	1	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		6358.11	160					
TIMING								
BEGIN RUN CSG.	Spud	3:30 PM	2/3/2009	GOOD CIRC THRU JOB <u>Yes</u>				
CSG. IN HOLE		8:00 PM	2/3/2009	Bbls CMT CIRC TO SURFACE _____				
BEGIN CIRC		9:05 PM	2/3/2009	RECIPROCATED PIPE <u>Yes</u>				
BEGIN PUMP CMT		9:13 PM	2/3/2009	BUMPED PLUG TO <u>1799</u>				
BEGIN DSPL. CMT		10:17 PM	2/3/2009					
PLUG DOWN		10:42 PM	2/3/2009					

[illegible]

COMPANY REPRESENTATIVE

DATE 2/4/2009

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: OSMOND MEYER 10-28-4-1E
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSE, 28, T4S, R1E		9. API NUMBER: 4304740260
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: UINTAH
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/15/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 04/03/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk  
SIGNATURE DATE 05/15/2009

(This space for State use only)

RECEIVED

MAY 21 2009

DIV. OF OIL, GAS & MINING



**Daily Activity Report****Format For Sundry****OSMOND MEYER 10-28-4-1E****2/1/2009 To 6/30/2009****3/20/2009 Day: 1****Completion**

Rigless on 3/20/2009 - RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. Run CBL. Perforate stage #1, CP2 sds @ 6036-6048' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 48 shots.- Install 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6238' & cement top @ 160'. Perforate stage #1, CP2 sds @ 6036-6048' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 48 shots. 144 bbls BWTR. SWIFN.

**3/26/2009 Day: 2****Completion**

Rigless on 3/26/2009 - Frac well.- RU BJ Services. 0 psi on well. Broke @ 3891 psi. FG .66. ISIP @1344 psi, 1 min @ 933 psi, 4 min @ 777 psi. Frac CP2 sds w/ 70,040#'s of 20/40 sand in 627 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1609 psi w/ ave rate of 23.8 BPM. ISIP 1551 psi, 5 min @ 1499 psi, 10 min @ 1463 psi, 15 min @ 1437 psi. Leave pressure on well. 771 BWTR.,RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 4800'. Perforate GB6 sds @ 4700-10' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 40 shots. SWIFN.,RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 4' & 9' perf guns. Set plug @ 5310'. Perforate D1 sds @ 5167-71' & D2 sds @ 5227-36' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 52 shots. RU BJ Services. 1350 psi on well. Broke @ 2382 psi. FG .74. ISIP @1577 psi, 1 min @ 1320 psi, 4 min @ 1315 psi. Frac D1/D2 sds w/ 45,547#'s of 20/40 sand in 446 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1858 psi w/ ave rate of 23.7 BPM. ISIP 2065 psi, 5 min @ 2021 psi, 10 min @ 1959 psi, 15 min @ 1911 psi. Leave pressure on well. 1217 BWTR.

**3/27/2009 Day: 3****Completion**

Rigless on 3/27/2009 - Frac remaining zones.- RU BJ Services. 1050 psi on well. Broke @ 1850 psi. FG .82. ISIP @ 1797 psi, 1 min @ 1681 psi, 4 min @ 1638 psi. Frac GB6 sds w/ 30,962#'s of 20/40 sand in 442 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2205 psi w/ ave rate of 23.8 BPM. ISIP 2381 psi, 5 min @ 1803 psi, 10 min @ 1712 psi, 15 min @ 1659 psi. Leave pressure on well. 1659 BWTR.,RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 11', 9' perf guns. Set plug @ 4670'. Perforate GB2 sds @ 4609-20' & 4634-43' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 80 shots. RU BJ Services. 1373 psi on well. Broke @ 1535 psi. FG .74. ISIP @1423 psi, 1 min @ 1369 psi, 4 min @ 1343 psi. Frac GB2 sds w/ 86,960#'s of 20/40 sand in 668 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1641 psi w/ ave rate of 24.8 BPM. ISIP 1626 psi, 5 min @ 1583 psi, 10 min @ 1539 psi, 15 min @ 1500 psi. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 4.5 hrs & died. Recovered 600 bbls. SWIFN. 1712 BWTR.

**4/1/2009 Day: 4****Completion**

Western #1 on 4/1/2009 - DU CBPs.- MIRU Western #1. ND Cameron BOP & 5m frac head. NU 3m production head & Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe rack (tallying & drifting). Tag CBP @ 4670'. RU powerswivel & pump. DU CBP in 12 min. Cont. RIH w/ tbg. Tag fill @ 4763'. C/O to CBP @ 4800'. DU CBP in 10 min. Cont. RIH w/

tbg. Tag fill @ 5200'. C/O to CBP @ 5310'. DU CBP in 25 min. Circulate well clean. SWIFN.

---

**4/2/2009 Day: 5****Completion**

Western #1 on 4/2/2009 - Swab for cleanup. Round trip tbg.- 100 psi on tbg. 250 psi on csg. Bleed off well. Cont. RIH w/ tbg. Tag fil @ 6095'. C/O to PBTD @ 6291'. Circulate well clean. Pull up to 6218'. RIH w/ swab. SFL @ surface. Made 12 runs. Recovered 132 bbls. Trace of oil. No show of sand. EFL @ 800'. RD swab. RIH w/ tbg. Tag PBTD @ 6291'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg, PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 194 jts 2 7/8" tbg. ND BOP. Set TAC @ 6007' w/ 16,000# tension. NU wellhead. SWIFN.

---

**4/3/2009 Day: 6****Completion**

Western #1 on 4/3/2009 - PU rods.- PU & prime Central Hydraulic 2 1/2" x 1 1/2" x 16' x 20' RHAC rod pump. RIH w/ pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 116- 3/4" slick rods, 99- 7/8" guided rods, 1- 8', 2' x 7/8" pony subs, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi w/ rig. Good pump action. RU pumping unit. Hang off rods. Put well on production @ 4:30 p.m. 5 spm, 102" stroke length. Final Report. **Finalized**

---

**Pertinent Files: Go to File List**

# DIV. OF OIL, GAS & MINING

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4171' 4342'
				GARDEN GULCH 2 POINT 3	4459' 4761'
				X MRKR Y MRKR	4959' 4993'
				DOUGALS CREEK MRK BI CARBONATE MRK	5137' 5453'
				B LIMESTON MRK CASTLE PEAK	5602' 5923'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	NP 6100'

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tammi LeeTitle Production ClerkSignature Date 05/19/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.